

50X1-HUM

A Bibliography of Non-Russian Articles on Semi-Conductors

Zhurnal Tekhnicheskoy Fiziki, "Bibliography Section: 1948-1951

50X1-HUM

~~CONFIDENTIAL~~

A BIBLIOGRAPHY OF NON-RUSSIAN ARTICLES ON
SEMI-CONDUCTORS

This report is a compilation of all European, Non-Russian articles on Semi-conductors appearing in the Bibliography Section of "Zhurnal Tekhnicheskoy Fiziki", (Journal of Technical Physics). It covers the issues from January 1948 to December 1951. Omission of an issue indicates that no Non-Russian article on Semi-conductors appeared therein. This report is a supplement to Report U-1689 which is a compilation of all Russian language articles in the bibliography of the above journal.

REF ID: A6472

~~CONFIDENTIAL~~

I. Non-Russian Articles on Semi-Conductors in the "Zhurnal Tekhnicheskoy Fiziki."
Vol. 18, 1948

No. 3, pp 410-411

DESTRAU, G. and MATTLER, J. "Establishment of the Transient Illumination of Certain Sulfides. Application to Electrophotoradiography." *J. de Phys. et Rad.* 1946, 7, 9, pp 259-265.

MOTT, N. F. "Theory of the Latent Photographic Image." *J. de Phys. et Rad.* 1946, 7, 9, pp 249-252

No. 5, pp 719

GEEL, W. C. van "Rectifier Photocells." *Philips' Techn. Rdsch.* 1946, 8, 3, pp 65-71.

No. 8, pp 1086-1087

RITSCHL, R. "Research into the Excitation of Luminescence in Zinc Sulfide-Copper-Phosphorus by Long-Wave Light." *Ann. d. Phys.*, 1947, 1, 4/5, pp 207-218
 STASIW, O. and TELTOW, J. "Formation of Holes in Silver Halides with Admixtures." *Ann. d. Phys.* 1947, 1, 4/5, pp 261-272

TERRIEN, J. and ANGLADE, Cl. "Additivity of the Effects of the Luminous Flux Striking Various Regions of a Selenium Photocell." *C. R.* 1947, 225, 17, 729-731.

BUSCH, G., SCHMID, P., and SPOENDLIN, R. "Thermoelectric Voltages of Silicon Carbide With Respect to Copper and Platinum." *Helv. Phys. Acta*, 1947, 20, 6, pp 461-463.

MOLLWO, E. "The Position of the Ultraviolet Absorption Edge in Molten Alkali Halides." *ZS f. Phys.*, 1947, 124, 1/2, 118. 120

No. 10, p. 1338

GOERLICH, P. "The Problem of the Influence of Gases on the Properties of PbS-Layers." *ZS f. Naturforsch.*, 1947, 2z, 1, 47-48.

No. 11, p 1459.

GISOLF, J. H. "Dependence [upon Temperature] of the Resistance of Semi-Conductors." *Ann. d. Phys.*, 1947, 1, 1/3, 3 - 26.

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

- LEVIALDI, A. and LUZZATI, V. "A Luminescent Cadmium Silicate." J.de Phys. et Rad., 1947, 8, 1, 306-312.
- LEVIALDI, A. and LUZZATI, V. "A Luminescent Cadmium Silicate." J.de Phys. et Rad., 1947, 8, 11, ~~306-312~~ 341-344.
- BECKER, F. "Extinction of Phosphorescence. IV. Variations in the Exciting Radiation." ZS f. Naturforsch. 1947 2a, 2, 100-107.
- No. 12, p 1565.
- BANDOW, F. "Extinguishing the Afterglow of some ZnSCa and CaS₂Bi Phosphorescences." Ann. d. Phys., 1947, 1, 7-8, 399-404.
- KLEMM, W. and PIRSCHER, P. "The Conductivity of the Vanadium Oxides." Optik, 1948, 3, 1-2, 75-80.
- TERRIEN, J. et MOREAU, H. "Use of Selenium Photocells with weak illumination and dark currents." Rev. d'Opt., 1948, 27, 5, 295-302.

Vol. 19, 1949No. 5, p 643

- JACOTTET, P. "The Determination of the Electromagnetic Constants of Semi-Conductors in the Ultra Short Wave Zone." Helv. Phys. Acta, 1948, 21, 3-4, 251-260.
- POHL, R. W. and STOECKMANN, F. "The Role of Secondary Electrons in the Photoelectric Conduction." Ann. d. Phys., 1947, 1, 6, 275-284.
- NEEL, L. "Magnetic Properties of Ferrites; Ferromagnetism and Antiferromagnetism." Ann. de Phys., 1948, 3, March-April, 137-198.
- SADDY, J. "Contributions to the study of the photoluminescence of Zinc Sulfide." Ann. de Phys., 1947, 2, July-August, 444-455.

- 4 -

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~No. 6, p 751

LEGRAND, K. "The Connection ~~between~~^{of} the Thermoelectric Force and the Hall Effect with the Photoelectric Effect in Natural Lead Sulfide." ZS f. Phys. 1948, 124, 3-6, 219-224.

~~LEHOVEC~~
LEHOVEC, K. ~~RECENTLY COMPILED WORK~~ "Electric Conductivity of Microcrystalline Hexagonal Selenium with added Thallium." ZS f. Phys., 1948, 124, 3 - 6, 278-285.

No. 7, p 854.Effects

DESTRIAU, C. and MATTNER, J. "~~relation~~ of the Alternating Electric Fields upon the Intensity of the Luminescence of Sulfides Irradiated by X-Rays and Deformation of the Emission Bands." J.de Phys. et Rad., 1948, 9, 10, 258-264.

KOENIG, H. and PERLSTAIN, A. "Simple Crystal Diode Hookup for Precision Measuring." Helv. Phys. Acta, 1948, 21, 6, 433.

PEYROU, C. "Luminiscence of the Zinc-Cadmium Sulfides, Electronic Transitions without Emission of Light, Multiple Shocks." Ann. de Phys., 1948, 3, July-August, 459-503.

SADDY, J. "Contributions to the Study of Photoluminescence of Zinc Sulfide." Ann. de Phys., 1947, 2, July-August, 444-455.

SADDY, J. "Increase of the Photoluminescence of Zinc Sulfide under Constant Excitation."
C.R. 1948, 226, 11, 896-898

No. 8, p.1080

BROSER, I. and KALLMANN, H. "The Elementary Process of Light Excitation in Luminous Substances by α -particles, Fast Electrons, and γ -Quanta II" ZS f. Naturforschung, 1947, 2a, 11/12, 642-649.

PRIGENT, J. "Study of "thermistors" with Uranium Oxide." J.de Phys. et Radium, 1949, 10,20, 58-61.

WEISS, K. "Absorption, Light-Sensitivity, and Electric Conductivity of CdS-Layers.
ZS f.Naturforschung, 1947, 2a, 11-12, 650-651.

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

Vol. 19, 1949

No. 11, pp 1131-1133

BECKER, A. and BECKER, F. "The Quenching of Phosphorescence III. Quantitative Data."

ZS f. Phys., 1949, 125, 11/12, 694-706.

ECK, J. L. "Contribution to the Study of Liquid Semi-Conductors." Ann. de Phys. 1949, 4, ~~xx~~ January- February, 12-61

FASBENDER, J., MOEGLICH, F., and ROMPE, R. "Band Model' and the inertia of the Photoelectric Conductivity in Insulators and Semi-Conductors". Ann. d. Phys. 1948, 3, ~~327-332~~ 327-332 (Max Planck, in memoriam)

FRANCK, J. " Notes on Luminescence of Ionic Crystals". Ann. d. Phys., 1948, 3, 62 + 68 (Max Planck, in memoriam)

GUDDEN, B. and HENNINGER, P. "Dark Current and Photoelectric Current in Cu₂O in the Electric Alternating Field." ZS f. Phys., 1949, 125, 11/12, 757-766.

GYULAI, Z. and TOMKA, P. "Deviations from Ohm's Law in additively colored Alkaly Halides" ZS f. Phys. 1949, 125, 7-10, 505-516.

LEHOVEC, K. "Effect of Traces of Thallium on the Selenium Rectifier." ZS f. Phys. 1949, 125, 7-10, 451-454.

MOLLWO, E. "Quantitative Data with Respect to the Photoelectric Conduction in Zinc Oxide." Ann. d. Phys., 1943, 3, 230-239 (Max Planck, in memoriam)

MOLLWO, E. and STOECKMANN, F. "A Quantitative Explanation of the Electric and Photoelectric Conductivity of Zincoxide based on the Law of Mass Action." Ann. d. Phys., 1949, 3, 240-254

MOLLWO, F. and STOECKMANN, F. "The Electric Conductivity of Zinc Oxide." Ann. d. Phys. 1948, 3, 223-229

PICK, H. "Photoelectric Conduction in Lead Sulfide." Ann. d. Phys., 1948, 3, 255-269.

PRIGENT, J. "Study of "Thermistors" with Uranium Oxide." J.de Phys. et Rad, 1949, 10, 2, 56-64.

- 6 -

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

No. 11, 1949

SCHOEN, M. "Notes regarding the Width of the Emission Band of Sulfide Phosphores." ZS f.

Ann. d. Phys. 1948, 3, 333-342.

TARJAEN, I. "Photoelectric Behavior of Alkali Halide Crystals with Colloids." ZS f.

Phys. 1949, 125, 7-10, 497-504.

SCHOEN, M. "Kinetics of the Luminescence of Sulfide Phosphores with several Activators." ZS f.

Ann. d. Phys. 1948, 3, 333-342.

No. 12, p 1451

KRENZIEN, O. "The Passage of Slow Electrons through Alkali Halide Crystals." ZS f.

Phys., 1949, 126, 3/4, 365-376.

SPENKE, E. "The Theory of the Border Layer of the Dry Rectifiers." ZS f. Phys., 1949, 126 1/2, 67-83.

SADDY, E. "Regarding a Form of statistical Distribution of Phosphorescence Traps in Zinc Sulfide. C.R., 1949, 228, 26, 2022-2024.

Vol. 20, 1950

No. 2, pp 246-247

FRANK, K. and RAITHEL, K. "A Method by which to produce Highly Resistant Photoelectrically Effective Layers with PbS as an Infrared Sensitive Semi-Conductor." ZS f. Phys. 1949, 126, 5, 377-382.

KRAUTZ, E. "The Behavior of Phosphores and Photoelectric Conductors in Strong Electric Fields." ZS f. Naturforsch. 1949, 4a, 4, 284-295.

SCHUELER, H. WOELDIKE, A., and REINEBECK, L. "Phosphorescence of Organic Substances." ZS f. Naturforsch., 1949, 4a, 2, 124-130.

SPENKE, E. "Nonhomogeneous Distribution of Interference Patterns in Dry Rectifiers." ZS f. Naturforsch., 1949, 4a, 1, 37-50.

- 7 -

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

Vol. 20, 1950

No. 2, pp 236-237

BRAUER, P. "The Question ~~of~~ regarding the Upper Temperature Limit of the Luminescence of Phosphores." Naturwiss. 1944, 32, 1/4, 32
FRANCK, J. "Regarding the Luminescence of Ionic Crystals." Ann. d. Phys., 1948, 3, 62-68.

No. 3, p 383 and p. 373

HOLM, R. "Technical Physics of Electrical Contacts." Berlin. J. Springer, 1941,
X (2) 337 ctp

FASSBENDER, J. "The Photoelectric Properties of Cadmium Sulfide-Monocrystals." Ann. d. Phys., 1949, 5, 1-2, 33-50

TELSTOW, J. "Ionic Conduction and Formation of Holes of Silver Bromide with Bivalent Cations^{XII}, Quantitative Explanation of the Conductivity Isotherms." Ann. d. Phys., 1949, 5, 1-2, 71-86

TELSTOW, J. "Ionic Conductivity^{on} and Formation of Holes of Silver Bromide with Bivalent Cations I. Measurements of Conductivity and Phase Diagrams." Ann. d. Phys., 1949, 5, 1-2, 63-70.

No. 4, p. 492

FASSBENDER, J. and HACHENBERG, O. "Changes in Conductivity of Cadmiumsulfide Crystals when irradiated with Roentgen Rays." Ann. d. Phys., 1949, 6, 229-231.

KRENZIEN, O. "Producing a Photoelectric Conductor from PbTe." ZS f. Phys., 1949, 126, 7-9, 666-670.

ROSE, F. and SPENKE, E. "Flux Characteristic Lines of Cuprous Oxide Rectifiers." ZS. f. Phys., 1949, 126, 7-9, 632-641.

SEIWERT, R. "Thermic Displacement of the Longwave Limit of the Fundamental Lattice Absorption of Cadmium Sulfide." Ann. d. Phys., 1949, 6, 241-252.

SCHOTTKY, W. "The Problem of the Origin and Time of Impact ^{Electron} Impulse ~~in~~ in the Theory of the Electrons of Solid Conductors." Ann. d. Phys., 1949, 6, 193-214.

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~Vol. 20, 1950No. 5, p 636

- BOROS, J. "Electric and Optic Properties of Vanadium Pentoxide Crystals." ZS f. Phys. 1949, 126, 10-12, 721-724.
- BROSERI., KALLMANN, H., and WARMINSKY, R. "Discussions on the Mechanism of Conductivity in Cadmium Sulfide-Crystals." ZS f. Naturforsch. 1949, 4a, 8, 631-637.
- HELLAND, G. and KELTING, H. "Lightabsorption by KCl Crystals with a Surplus of K and an admixture of CaCl_2 ." ZS f. Phys., 1949, 126, 7-9, 689-696.
- KELTIN, H. and WITT, H. "KCl Crystals with added ^{On} Chlorides of Alkaline Earths Elements." ZS f. Phys., 1949, 126, 7-9, 697-710.
- KREBS, H. "Black Selenium. II. Report: Lattice Dislocations of the Hexagonal Selenium." ZS f. Phys., 1949, 126, 10/12, 769-780.
- MATARE, H. F. "Background Noise of Semi-Conductors.II," J. de Phys. et Radium, 1949, 10, 12, 364-372.
- POHL, R. W. and STOECKMANN, F. "Amplification of Electron Currents in Irradiated Crystals." Ann. d. Phys., 1949, 6, 89-92.
- STRAUBEL, H. "New Uses for Semi-Conductor Resistors." ZS. Angew. Phys., 1949, 1, 11, 506-508.
- HEYWANG, W. "The Influence of Isolated Lattice Dislocations upon the Electrical Resistance of Electronic Semi-Conductors and its Dependence on Temperature." ZS f. Naturforsch., 1949, 4a, 9, 654-663.
- MENZEL, E. "Intergrowths(Verwachsungen) of Copper and the Cuprous Oxide." Ann. d. Phys. 1949, 5, 3-5, 163-180.
- NEUERT, H. "Contact Potential Measurements on Irradiated Metal Oxide Surfaces." ZS f. Naturforsch. 1948, 3a, 4, 226-228.
- PFOTZER, G. "Conductivity Profile of the Barrier Layer of the Cuprous Oxide Rectifier from H-F Measurements and its Division into Space Charge Zones." ZS f. Naturforsch. 1949, 4a, 9, 691-706.

- 9 -

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~Vol. 6, 1950No. 6. p. 763

SCHOEN, M. "Amendments to: "Kinetics of the Luminescence of Sulfide Phosphores with several Activators." Ann.d.Phys. 1948, 3, 333." Ann. d. Phys. 1949, 5, 3-5, 252.

STASIW, O. "Formation of Holes and Photochemistry of Silver Bromide with Additions." Ann. d. Phys. 1949, 5, 3-5, 151-162.

No. 7, p. 894.

GENZEL, L. and MUESER, H. "On the Photoelectric Conduction in Lead ~~Sulfide~~ Sulfide." ZS f. Phys., 1950, 127, 3, 194-200.

HARTEN, H. U. "The Effect of X-Ray on KCl Crystals." ZS f. Phys., 1949, 126, 7-9, 619-631.
No. 10, 1277.

BRAUER, P. "Theory of the Growth (Anklingen) of Phosphores which have been sensitized for Illumination (Ausleuchtung) ". ZS f. Naturforsch. 1950, 5a, 3, 158-159.

BRAUER, P. "A Model of the Phosphores sensitized for Illumination (Ausleuchten) ". ZS f. Naturforsch., 1950, 5a, 3, 156-158.

BROSER, I., KALLMANN, H., and REUBER, C. "Quantitative Measurements with respect to the Elementary Process of the Light Excitation of Luminous Substances by single~~d~~-Particles, I." ZS f. Naturforsch. 1950, 5a, 2, 79-84.

BROSER, I. and WARMINSKY, R. "Electric Properties of Cadmium Sulfide Crystals, dependent upon the ~~grouping~~ Arrangement of the Elektrodes." ZS f. Naturforsch. 1950, 5a, 1, 62.

BUSCH, G. "Electron Conduction in Non-Metals." ZS f. Angew. Math. and Phys. 1950, 1, 1, 3-31
MATARE, H. F. "Background Noise of Semi-Conductors. II," J. de Phys. et Radium, 1950, 11, 3, 130-140

MUESER, H. "Fermi's Energy Limits in Electronic Semi-Conductors." ZS f. Naturforsch. 1950, 5a, 1, 18-24.

- 10 -

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

Vol. 20, 1950

No. 11, pp 1403-1404

BUSCH, G. "Conduction of Electrons in Non-Metals." Zeit. angew. Math. Phys., 1950, 1, 1, 3-31

CURIE, D. "Remarks on the Mechanism of Phosphorescence in Crystals." J. de Phys. et Radium, 1950, 11, 4, 179-185.

PRINGSHEIM , P. "Regarding/Distinctive Difference in the Activation of Potassium and Sodium Halide Phosphores." ^a Acta Phys. Austriaca, 1950, 3, 4, 396-404.

STOECKMANN, F. "The Electrical Conductivity of Zincoxide." ZS f. Phys., 1950, 127, 5, 563-579

No. 12, p.1518.

JUSTI, E. and VIEWEG, G. " The Question of the Changes in Magnetic Reluctance of Dry Rectifiers." ZS f. Naturforsch., 1950, 5a, 4, 231-232.

Vol. 21, 1951

No. 1, pp. 118-119

BROSER, I., OESER, H. and WARMINSKY, R. "The Conductivity of Cadmium Sulfide Crystals when Excited by Hard and Medium Hard X-Rays." ZS f. Naturforsch., 1950, 5a, 4, 214-215.

BUCKEL, W. and HILSCH, R. "Superconduction of Copper Sulfide." ZS f. Phys., 1950, 128, 2, 324-346.

DORENDORF, H. and PICK, H. "Discoloration of Alkali Halide Crystals by Energy-rich Radiation." ZS f. Phys., 1950, 128, 1, 166-171.

FOEX, M. "Abnormal ~~Properties~~ Electric Properties of the Sesquioxide of Vanadium^{1/2} Between - 100° C and + 300° C." CR 1949, 229, 18, 880-881.

FOEX, C. and WUCHER, J. "Abnormal Magnetic Properties of the Sesquioxide of Vanadium between 60°C and 250°C." CR 1949, 229, 18, 882-883.

SCHWEICKERT, H. "The Conductivity of Microcrystalline, Halogen-Containing Selenium^{1/2}." ZS f. Phys., 1950, 128, 1, 47-55.

- 11 -

~~CONFIDENTIAL~~

CONFIDENTIAL

Vol. 21, 1951

No. 1, 118-119

STASIW, O. "Optical Proof of Schottky's Formation of Holes in Silver Bromide." ZS f. Phys., 1950, 127, 5, 522-532.

STOECKMANN, F. "Theory of Photoelectric Conduction in Mixed Conductors." ZS f. Phys., 1950, 128, 2, 185-211.

STOECKMANN, F. "The Electric Conductivity of Zinc Oxide." ZS f. Phys., 1950, 127, 5, 563-579.

VIDAL, P. "Study of the Properties as Semi-Conductors of a Natural Calcium Carbonate." Ann. de Phys., 1950, 5, May-June, 257-309.

No. 2, pp 248-249

ADLER, N. "Discoloration of Natural Blue and Violet Rocksalt Crystals." Acta Phys., Austriaca, 1950, 4, 1, 71-80

BROSER, I. and WARMINSKY, R. "The Theory of the Luminescence and the Electric Conductivity of Cadmium Sulfide Crystals." Ann. d. Phys., 1950, 7, 6, 289-311.

HEILAND, G. "The Discoloration of Potassium Chloride by ~~way~~^{of} Electricity." ZS, f. Phys., 1950, 128, 1, 144-165.

SANNER, H. G. "Study of the Spectral Sensitivity of Selenium Photoelements." Ann. d. Phys. 1950, 7, 7-8, 416-419.

SEILER, K. "Dependence upon Temperature of Static Crystal Rectifier Characteristic Lines and their Theoretic Explanation." ZS f. Naturforsch., 1950, 5a, 7, 393-396.

No. 6, p. 725

HOFFMANN, A. "An Oscillographic Method by which to study Dry Rectifier Surface Layers". ZS f. angew. Phys., 1950, 2, 9, 353-358

MREY, F. "Unipolarity and Relaxation." ZS f. angew. Phys., 1950, 2, 9, 367-369.

- 12 -

CONFIDENTIAL

CONFIDENTIAL

Vol. 21, 1951

No. 7, pp 850-860

AIGRAIN, P. "Reversed Current in High Voltage Germanium Diodes." C.R., 1950, 231, 20, 1047-1048

GOERLICH, P., "The Question of the Use of Photoresistance Cells." ZS f. Naturforsch., 1950, 5a, 10, 563-567.

HOEHLER, G. "Pressure and Temperature Displacement of the Absorption Edge of Cadmium Sulfide." Ann. d. Phys., 1949, 4, 7, 371-378

MICHELSSEN, F. "A few Remarks with Reference to the above Report by Paul Goerlich." ZS f. Naturforsch., 1950, 4a, 10, 568-569.

SPENKE, E., "Impedance of Crystal Rectifiers during strong Direct Current Initial Stress in High-Resistance Direction." ZS f. Phys., 1950, 128, 5, 586-604

STATZ, H. "The Theory of Surface Conditions." ZS f. Naturforsch., 1950, 5a, 10, 534-543

WOLF, I. "Studies of the Influence Exerted on Spectral Sensitivity of Selenium Photo-elements by Photoelectric Current and Load Resistance." Ann. d. Phys., 1950, 8, 1-2, 30-40

No. 9, pp 1140-1141

BUSCH, G., WIELAND, J. and ZOLIER, H. "Electrical Properties of Gray Tin." Helv. Phys. Acta, 1951, 24, 1, 49-62

CLAUSSNITZER, W. and HEUMANN, H. "Measurements of Electric Fields with the help of Semi-conducting Layers." ZS f. angew. Phys., 1950, 2, 11, 443-446.

SCHOENFELD, H. "The Germanium Crystal Diode in the Precision Measuring Technique." Elektrotechnik, 1950, 1, 11-14.

SCHUBERT, K. "Use of the Band Model in the Chemistry of Crystals of Alloys." Naturwiss., 1950, 37, 24, 561

STOCKMANN, F. "Supplement to (my) Report on the Electric Conduction in Semi-Conductors." Naturwiss., 1950, 37, 22, 523.

- 13 -

CONFIDENTIAL

~~CONFIDENTIAL~~

Vol. 21, 1951

No. 10, pp 1279-1280

AIGRAIN, P., DUGAS, C. I., and GERMAIN, J. "Adsorption in Semi-Conductors." C.R. 1951, 232, 11, 1100-1101

MEYER-SCHUTZMEISTER, L. "The Outer Photoelectric Effect in ~~Cuprox~~ Cuprous Oxide and Copper Oxide." ZS f. Phys., 1951, ~~129~~, 2, 148-160.

PAETZOLD, H. K. "Temperature and Pressure Influence on Electron Terms in Crystals." ZS f. Phys., 1951, 129, 2, 123-139.

RICHTER, H. and FUERST, O., "The Amorphous Germanium." ZS f. ~~Physx~~ Naturforsch., 1951, 6a, 1, 38-46

SCHENCK, R. "Term Analysis of Emission Bands in Sulfide Phosphores." ZS f. Electro-chem., 1951, 55, 1, 1-7

SCHENCK, R. "Termaanalysis of the Emission Bands in Lenard's Sulfide Phosphores II." ZS f. Electrochem. 1951, 55, 1, 7-12.

No. 11, pp 1458-1459

BROSER, I. and WARMINSKY, R. "Changes in Luminescence and Electric Conductivity of CdS Crystals ^{upon} ~~upon~~ Irradiation with α -Particles." ZS f. Naturforsch., 1951, 6a, 2, 85-102.

DORENDORF, H. "Ultraviolet Absorption Bands of Photochemically ^{converted} ~~exposed~~ KCl and KBr Crystals." ZS f. Phys., 1951, 129, 3, 317-326.

MESNARB, G. "Semi-Conductive Properties of Thoria Under Vacuum." C.R., 1951, 232, 17, ~~1744~~ 1744-1746

NIEKISCH, E. A. "Photoelectric Conductivity of Cadmium Sulfide Monocrystals at Low Temperatures." Ann. d. Phys., 1951, 8, 518, 291-300.

STOECKMANN, F. "Valence Semi-Conductors" Naturwiss., 1951, 38, 7, 151-154.

- 14 -

~~CONFIDENTIAL~~

CONFIDENTIAL

Vol. 21, 1951

No. 12, 1578-1579

DUNOYER, J. M. "Electric Properties of Thin Germanium Layers." J. de Phys. et Radium, 1951

12, 5, 602-606

MUESER, H. "Limit of Capacity of Photoelectric Resistors." ZS f. Phys., 1951, 129, 5, 504-516

No. 5, pp 607-608

Report on the International Conference on Semi Conductor Physics at Reading, 10-15 July 50

ZS f. angew. Math. and Phys. 1950, 1, 5, 333-334

BUSCH, G., WIELAND, J. and ZOLLER, H. "Experiments in Measuring Electric Conductivity of

Gray Tin." Helv. Phys. Acta, 1950, 23, 5, 528-529.

HOFFMANN, A. "Regarding the Sensitization Processes of Selenium Rectifiers Containing Thallium. ZS f. Phys. 1950, 128, 3, 414-431.

HOFFMANN, A., ROSE, A., WALDKOETTER, F. and NITSCHE, E. "Reversible Changes in the Limiting (Rand) Layer of Selenium Rectifiers." ZS f. Naturforsch. 1950, 5a, 8, 465-466.

STAHELIN, P. and BUSCH, G. "Electrical Conductivity of Molybdenum Trioxide." Helv. Phys. Acta 1950, 23, 5, 530.

UNTERMANN, G. "Measurements of Electric and Magnetic Constants of Semi-Conductors at Ultra High Frequencies in the Concentric Measuring Circuit." ZS f. angew. Phys. 1950

2, 6, 233-240

E N D

- 15 -

CONFIDENTIAL